JALC
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Associate in Applied Science
Toward a Degree in
Electrical Engineering Technology

FIRST YEAR – FALL SEMESTER

Dept.	No.		Hrs.	Grade
ORI	100	College 101	1	_____
ELT	102	Basic Electricity and Wiring	4	_____
ELT	111	Digital Electronics I	3	_____
MAT	111	Pre-Calculus	5	_____
MFT	103	Industrial Robots and PLCs	3	_____
			16	

FIRST YEAR – SPRING SEMESTER

Dept.	No.		Hrs.	Grade
ELT	103	Applied DC/AC Circuits	4	_____
ELT	112	Digital Electronics II	3	_____
ELT	150	Applied Solid State Electronics	3	_____
ENG	101	English Composition I[1] OR ENG 113 Professional Technical Writing[1]	3	_____
MAT	131	Calculus I	5	_____
			18	

SECOND YEAR – FALL SEMESTER

Dept.	No.		Hrs.	Grade
COM	115	Speech OR COM 116 Interpersonal Communication	3	_____
ELT	151	Applied Solid State Circuits	3	_____
ELT	200	Introduction to Microprocessors	3	_____
ELT	214	Fundamentals of Computing Hardware	3	_____
PHY	155	College Physics I	5	_____
			17	

SECOND YEAR – SPRING SEMESTER

Dept.	No.		Hrs.	Grade
ELT	210	Supporting Computer Operating Systems	3	_____
ELT	215	IOT and Embedded Systems	3	_____
ELT	218	Introduction to Network Technologies	3	_____
ELT	220	Special Projects in Electronics	3	_____
ELT	224	Power Distribution and Motors	3	_____
			15	

NOTES AND INFORMATION

[1] Requires a grade of "C" or higher.

Fall only courses:	Spring only courses:	
ELT 111	ELT 103	ELT 218
ELT 151	ELT 112	ELT 220
ELT 200	ELT 150	ELT 224
ELT 214	ELT 210	
MFT 103	ELT 215	

Career Opportunities: The graduate in Electronics Engineering Technology will be prepared for entry-level careers in areas such as: Product development and support Technician, Field engineering/service Technician, Test Engineering Technician, Technical documentation, Technical sales/marketing, Telecommunications and wireless systems development and support, Research and development, Quality assurance, Technical documentation.

JALC ELT Programs are education members of:

◆IEEE

Institute of Electrical and Electronics Engineers
445 Hoes Lane
Piscataway, NJ 08854

acm Association for Computing Machinery

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